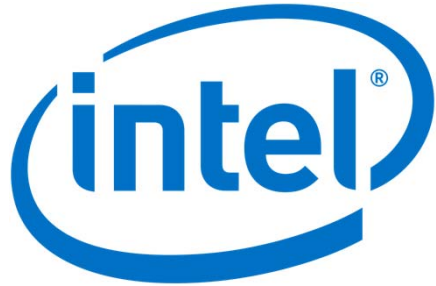


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# Role Modeling Open Source Best Practices in Firmware

Spring 2019 UEFI Plugfest

April 8-12, 2019

Mark Doran & Stephano Cetola

[www.uefi.org](http://www.uefi.org)

# Agenda



- Introduction
- Changes at Intel
- Open Source Licensing
- Ethos, More than a License
- Building a Community



# Introduction

- Mark Doran
  - President, UEFI forum
  - Intel Fellow
- Stephano Cetola
  - TianoCore & CHIPSEC Community Manager
  - Open Source Program Manager @ Intel



# Changes at Intel

- One BIOS
  - Client, server and core under one roof
- System Software Products
  - New parent group for One BIOS
  - Windows & Open Source OS group peers
- More agility





# Imperatives – Intel view

- Deliver the roadmap
  - Job 0 remains si product enabling on time
- Optimize path to TTM
  - Reduce friction for ecosystem
- Do Less, Deliver More
  - Right size code and feature sets for markets

# TianoCore – modeling best practice



- Revamp Intel participation in EDK2 development to be more community centered
- Opening up early design/development
- Increase in open source contributions
- Better open source process

# Shifting [back!] to Code-First

- Working code means better interfaces
- Reduce community “blackout” window
- Encourage more community involvement in path-finding
- Open Source as the default





Getting Fitted for a New Suit

# Open Source Licensing

[www.uefi.org](http://www.uefi.org)



# TianoCore Licensing Change



- **The Why:** Keeping Up with the Joneses
  - An Even More Permissive License
  - Remove Any Contribution Agreements
  - Serve Community and Commercial Needs
  - Greater Protection from IP Concerns

# TianoCore Licensing Change

- **The What: BSD+Patent License**
  - A simple permissive license
  - Compatible with the GNU GPLv2
  - Adds an Express Patent Grant



# TianoCore Licensing Change

- **The How:** RFC Process
  - Engage by Listening
  - Getting Feedback, Taking Action
  - Respond Quickly and Earnestly





A Short How-To

# Open Source Best Practices in Firmware

[www.uefi.org](http://www.uefi.org)



# The Open Source Ethos

- Transparent Decision Making
  - Stewards: Apple, Intel, Linaro, & Red Hat
- Community Interests Come First
  - Monthly Open Community Meetings
- All Things Done in the Open
  - Discuss, Design, Develop, Debug



# The Open Source Ethos

- Developing in the Open
  - Bugzilla, GitHub, and now Open Meetings
- A “Code First” Mentality
  - Clear direction should be defined by code
  - Formalizing standards informed by community



The Art of Community

# All in With Open Source

with inspiration from Jono Bacon

[www.uefi.org](http://www.uefi.org)

# Community Management



- Keep Your Eyes on the Long View
  - TianoCore in 3-5 Years
- Clearly Define Strategic Goals
  - Deliver goals on a predictable cadence
- Rigorous Communication
  - Conversations vet ideas better than polling



# How Avoid Community Mistakes



- No Such thing as 1 Sided Value
  - Community Value Always Wins
- Have an End-to-End Strategy
  - Interest, participation, mentoring, rewards
- Community Management is Hands-On
  - Know your members & solve their problems

# How Avoid Community Mistakes



- Community is a Company Culture
  - Everyone has a role, from leaders to coders
- No such thing as “Us and Them”
  - The stewards lead, the community influences
- Know-it-all Syndrome
  - Building a community means endless learning

# Join the Conversation

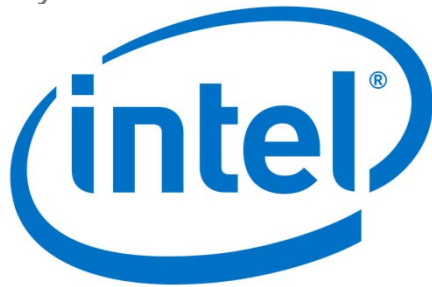
- [edk2.groups.io](http://edk2.groups.io)
  - devel & announce
- Bi-monthly Meetings
  - Bug Triage & Feature Design
- Monthly Community Meeting



Thanks for attending the 2019 Spring UEFI  
Plugfest

For more information on UEFI Forum and UEFI  
Specifications, visit <http://www.uefi.org>

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